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APPLICATION	NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKETNO		
10/721,90	)2	11/26/2003	Shinji Nishihara	ATTORNEY DOCKET NO. 501.37436CV2	CONFIRMATION NO.	
20457	7590	05/14/2004		EXAMINER		
1300 N	ORTH SEV	ERRY, STOUT & K VENTEENTH STREE	KRAUS, LLP T	GURLEY, LYNNE ANN		
SUITE		A 22209-9889.		ART UNIT	PAPER NUMBER	
·	GION, V	A 22209-9889.		2812		
				DATE MAILED: 05/14/2004	:	

Please find below and/or attached an Office communication concerning this application or proceeding.

		A C C		14.2
		Application No.	Applicant(s)	<i>i</i> ———
· · · · · o	ffice Action Summary	10/721,902	NISHIHARA ET AL	•
1	and the second Cammary	Examin r	Art Unit	•
The	MAII INO DATE AND	Lynne A. Gurley	2812	•
Period for Rep	MAILING DATE of this communication app ly	pears on the cover sheet with	the correspondence add	ress
- Extensions of after SIX (6) M - If the period fo - If NO period fo - Failure to repl Any reply rece	NED STATUTORY PERIOD FOR REPLY NG DATE OF THIS COMMUNICATION. It ime may be available under the provisions of 37 CFR 1.13 MONTHS from the mailing date of this communication. For reply specified above is less than thirty (30) days, a reply or reply is specified above, the maximum statutory period way within the set or extended period for reply will, by statute, sived by the Office later than three months after the mailing term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply within the statutory minimum of thirty ( will apply and will expire SIX (6) MONTH	ly be timely filed 30) days will be considered timely. IS from the mailing date of this corr	nmunication.
Status				•
1)⊠ Respo	onsive to communication(s) filed on <u>13 Ja</u>		8 8	
2a) ☐ This a				1
		action is non-final.		
closed	this application is in condition for allowan	ce except for formal matters	s, prosecution as to the n	nerits is
Closed	in accordance with the practice under Ex	x parte Quayle, 1935 C.D. 1	1, 453 O.G. 213.	
Disposition of (	Claims	0.		
4)⊠ Claim(	(s) <u>9-17</u> is/are pending in the application.	* . *	* ,	
4a) Of	the above claim(s) is/are withdraw	n from consideration	, •	
5) Claim(	(s) is/are allowed.			
	(s) <u>9-17</u> is/are rejected.	· · · · · · · · · · · · · · · · · · ·		
	s) is/are objected to.	•		
	s) are subject to restriction and/or	election requirement.		
Application Pap	pers	*		
9)∐ The spe	ecification is objected to by the Examiner.			
10) ☐ The dra	awing(s) filed on is/are: a) accep	oted or b) objected to by	the Evaminer	
· Applica	nt may not request that any objection to the dr	rawing(s) he held in abevance	Soc 27 OFD 4 OF(1)	
Replace	ement drawing sheet(s) including the correction	n is required if the drowing(a):	See 37 CFR 1.85(a).	
11) The oat	h or declaration is objected to by the Exa	miner Note the attached Of	s objected to See 37 CFR	1.121(d).
		minor. Note the attached Of	lice Action or form P1O-	152.
Priority under 3	5 U.S.C. § 119			· - •
12)	ledgment is made of a claim for foreign p	nority under 35 U.S.C. § 11	9(a)-(d) or (f).	
	b) Some * c) None of:			
	Certified copies of the priority documents I	have been received.		**
2.□ 0	Certified copies of the priority documents I	nave been received in Appli	cation No	
3.∐ C	copies of the certified copies of the priority	y documents have been rec	eived in this National Sta	ige .
* Coo 45-	pplication from the International Bureau (	PCT Rule 17.2(a)).		
See the a	attached detailed Office action for a list of	the certified copies not rece	eived.	•
	*		Janes Her	<i>(</i> )
*		<i>i</i>	LYNNE A. GUD	ey
Attachment(s)	*		PRIMARY PATENT E	XAMINDE
1) Notice of Refere	Inces Cited (PTO-892)	4) Interview Summ	ary (PTO-1632800, AU 281	
3) Information Disc	person's Patent Drawing Review (PTO-948) closure Statement(s) (PTO-1449 or PTO/SB/08)	Paper No(s)/Mai	il Date	- '
Paper No(s)/Mai	il Date <u>11/26/03</u> .	5)  Notice of Inform 6) Other:	al Patent Application (PTO-152	<u>')</u>
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### **DETAILED ACTION**

## Specification

1. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

# Double Patenting

2. The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ormum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970); and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

- 3. Claims 9-17 are rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-13 of U.S. Patent No. 6,693,001. Although the conflicting claims are not identical, they are not patentably distinct from each other because, the subject matter of the patent and the application are coextensive.
- 4. US 6,693,001 shows the method substantially as claimed in claims 1-13 as a CMOS process with Co silicided gate and source/drain regions. In step (g), insulating sidewalls are described which isolate the n-type and p-type gates from their respective source/drain regions.
- 5. US 6,693,001 lacks anticipation only in not stating in the same manner as the application, that: 1) a first pair of insulating sidewalls exist for the n-type transistor and a second pair of

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insulating sidewalls exist for the p-type transistor (steps (e) and (f)); 2) the surface portions of the silicon surface over the n-type and p-type source/drain regions are exposed (step (g)) and; 3) the Co film is deposited to cover at least the exposed surface portions (step (h)).

6. It would have been obvious to one of ordinary skill in the art to have stated the insulating sidewalls, in the US Patent 6,693,001, as first and second pairs of insulating sidewalls and to have exposed the surface portions of the silicon surface over the n-type and p-type source and drain regions after forming these spacers, with the motivation that US 6,693,001 already states that the insulating sidewalls exist for both transistors and with the motivation that after forming the spacers, which is conventionally by deposition of an insulating layer and then anisotropic etching, the silicon surface over the source/drain regions would be exposed inherently, leaving behind the insulating sidewalls.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lynne A. Gurley whose telephone number is 571-272-1670. The examiner can normally be reached on M-F 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Niebling can be reached on 571-272-1679. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lynne A. Gurley

Primary Patent Examiner. TC 2800, AU 2812

LAG May 11, 2004